

## **Green Switch Power Supply with Standby Function and Its IC**

### **Abstract of the Disclosure**

A switch power supply with standby function is disclosed. The power supply can satisfy the need of the green environment protection. And a single ended green  
5 switch power supply IC or thick film or modular circuit design with standby function is disclosed, too. It comprises a standby power supply, a main power supply, a PFC device, and a supplemental circuit, wherein a remote control signal is transmitted to main control circuit in response to a main error signal to control main power supply. A method for preventing switch power current from overload and saturation is disclosed too. Finally,  
10 the present invention also provides a green power supply with standby function as well as its IC associated with digital processing highly qualified PFC, and a PC standard (such as ATX, ATX12, SSI) computer switch power supply.